NRF 560 Promonitor

Convenient monitoring and display of level and temperature information

Endress+Hauser
Systems & Gauging

Promonitor – Providing information for industry needs

Providing for the needs of the field operator

Endress+Hauser Systems & Gauging has developed the Promonitor, a low cost unit for tank-side display of level and temperature data. Designed with a flameproof enclosure and touch sensitive control panel, the unit is ideally suited for operation in tank farms, terminals and refineries.

The Promonitor (slave) communicates with an intelligent level instrument (master) at the tank-side or in a convenient location up to 1200 m (4000 ft) away from the tank, using a two-wire Hart® local bus. Once installed, the covers do not need to be removed, as all standard operations are performed via three optical keys (touch sensitive) and a two-line, illuminated Liquid Crystal Display (LCD) - increasing safety throughout your plant.

Proline – Additional functionality

When used with the Proservo series of tank gauges, the Promonitor offers additional functionality to the field operator. Configuration, operation and display commands can be accessed at the Promonitor to achieve:

- Level and temperature measurement
- Displacer hoist
- Interface level measurement (2 interfaces can be measured)
- Specific gravity measurement of each product layer
- Tank bottom measurement

Technical specifications

Input: Two-wire Hart® local bus
Power supply:
85 - 264 V_{ac} 50/60 Hz or
20-60 V_{dc} / 20-55 V_{ac}
Power consumption:
For AC power supply: 40 VA
For DC power supply: 40 W
Ambient operating temperature:
-20 to +60°C (-4 to +140°F)

Approvals and certification

Explosion proof:
EEx d IIC T4 CENELEC
EEx d IIB T4 TIIS
XP Class I, Div. 1, Gp. ABCD (FM)
Class I, Div.1, Gp. ABCD (CSA)
IP 67 with closed housing and cable glands of same protection class

Construction

Enclosure:
Aluminum coated with anti-acid paint
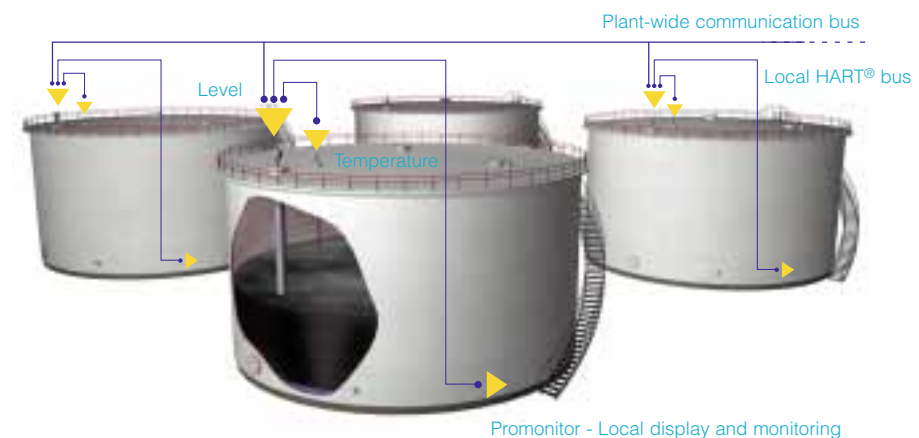Weight: Approx. 6.5 kg (14 lb)

At a glance

Convenient remote tank side monitoring and control of tank gauges - reduces the times an operator needs to climb the tank

Communicates via a Hart® local bus

Indication via two-line, illuminated display

Operation via 3 optical keys (touch control) and Endress+Hauser user friendly programming matrix

Robust IP 67 and explosion proof housing for hazardous area mounting

Promonitor - Local display and monitoring

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